

## PROGRAMME

### ICE BREAKER : TUESDAY 17 OCTOBER 2023, THE RAFT (Board a tender vessel from Barrack Street Jetty 5)

1730-2000 Enjoy sweeping views of Perth City onboard a floating Functions Pontoon on the Swan River  
*Welcome Address: Mick Elmslie, Ocean Infinity*

### CONFERENCE DAY 1 : WEDNESDAY 18 OCTOBER 2023, PARMELIA HILTON PERTH (Argyle Ballroom)

0830-0900 Registration/Coffee

0900-0915 Introduction by SUT Chair - *Steve Duffield*

0915-0945 Keynote - *Mike Deeks, Blue Ocean Marine Tech Systems*

#### SESSION A - CHAIRPERSON: *Steve Duffield, Guardian Geomatics*

0945-1010 **Bluebottle: for ever-persistent surveillance**  
*Nick Rozenauers, OCIUS*

1010-1035 **Naval Sonar Technology for Detection of Unmanned Underwater Vehicles**  
*Henry Johnson, Kongsberg*

#### 1035-1100 MORNING TEA

1100-1125 **Revolutionizing Marine Autonomy through Advanced Underwater Communication Technologies**  
*Manu Ignatius, Subnero*

1125-1150 **High Sea State AUV Launch and Recovery**  
*Ben Healy, Thrust Maritime*

1150-1215 **Enabling subsea launch, recovery and residency with acoustic and optical positioning, navigation and comms**  
*Aidan Thorn, Sonardyne*

1215-1240 **Designing the Field of the Future: Delivering Sustainability with Autonomous Subsea Robotics**  
*Brett Phillips, Oceaneering*

#### 1240-1330 LUNCH

#### SESSION B - CHAIRPERSON: *Nina Levy, Fugro*

1330-1410 **PANEL: Marine Autonomy - An operators perspective**  
*Woodside, Beach Energy, Santos, Inpex*

1410-1435 **Advances in the REMUS UUV to leverage multi-mission profile capabilities**  
*Nick Goodwin, HII Unmanned System Mission Technologies*

1435-1500 **HUGIN Edge - the next evolution in autonomous underwater vehicles**  
*Mark Roberts, Kongsberg*

#### 1500-1525 AFTERNOON TEA

1525-1550 **Edge Computing Capabilities for Advanced AUV Sensing and Perception**  
*Kirsten Fong, Eiva*

1550-1615 **Ocean Infinity's Armada vessels - Sustainable Advancements in Maritime Autonomous Technology**  
*Sam Glazier, Ocean Infinity*

1615-1640 **Undertaking Remote Inspections with Uncrewed Surface Vessels**  
*Ben Fell, Fugro*

1640 **Closing remarks**

1645-1745 **DAY 1 SUNDOWNER DRINKS (Parmelia Hilton)**

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### CONFERENCE DAY 2 : THURSDAY 19 OCTOBER 2023, PARMELIA HILTON PERTH (Argyle Ballroom)

- 0830-0845 Tea & Coffee  
0845-0900 Day 2 Introduction - *Steve Duffield, Guardian Geomatics*  
0900-0930 Keynote - *Julius Moeller, AMSA*  
Implementation of Digital Communication Bearers, E-Navigation, and Digital Maritime Services in the context of Maritime Autonomous Surface Ships (MASS)

#### SESSION C - CHAIRPERSON: *Ian Hobbs, Guardian Geomatics*

- 0930-0955 **Autonomous Maritime Systems - training for next generation of professionals**  
*Damien Guihen, AMC Search*
- 0955-1020 **Establishing a Sustainable Marine Autonomous Systems Capability in Tropical Australia**  
*Mel Olsen, AIMS*
- 1020-1045 MORNING TEA**
- 1045-1110 **Maritime Autonomy for a Sovereign Future: The Future of USVs in Australia**  
*James Griffin, Greenroom Robotics*
- 1110-1135 **Impact Subsea Sonar Technology/Winghead**  
*Asser (Ace) Awaad, Impact Subsea and Jerome Tsu, Norbit Subsea*
- 1135-1200 **A study of USV's - One company's experience**  
*Steve Duffield, Guardian Geomatics*
- 1200-1225 **A Fremantle Built 12m USV with Optimal Characteristics for HIPP Hydrographic Work in Australia: Challenges, Design Considerations and Progress Update**  
*Charles Collins, EGS*
- 1225-1325 LUNCH**

#### SESSION D - CHAIRPERSON: *Mark Casey, Santos*

- 1325-1345 **Reach Remote USV**  
*Jeremiah Gilbreath, Reach Subsea and John Even Lindgård, Reach Subsea*
- 1345-1410 **The Search for the Montevideo Maru**  
*Paul Seaton, Fugro*
- 1410-1435 **Bass Strait Remote Inspection - Experience with Fugro's Xpod™ system**  
*Martijn Wisselink, Beach Energy*
- 1435-1500 **Taking the drone revolution underwater**  
*Peter Baker, Advanced Navigation*
- 1500-1525 AFTERNOON TEA**
- 1525-1550 **Autonomous Solar Boat for Marine Exploration**  
*Pierre-Louis Constant, UWA*
- 1550-1615 **Closing remarks**
- 1620-1720 CONFERENCE CLOSING DRINKS (Parmelia Hilton)**

